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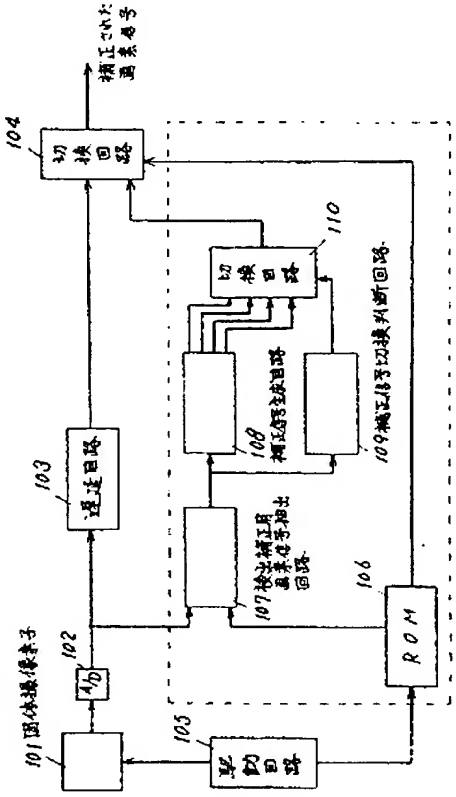
TITLE : FLAW CORRECTING DEVICE



ABSTRACT : PURPOSE: To prevent the deterioration in a picture quality and to reduce the cost of a solid state image pick-up element by replacing and cc :recting a defective picture element in the solid state image pick-up element by an optimum picture element signal.

CONSTITUTION: A picture element signal taken out from a solid state image pick-up element 101 controlled by a driving circuit 105 is converted to a digital signal at an A/D converter 102. When a defective signal is included at the signal, picture signals before and after the defective signal are taken out by using a ROM106 and a picture element signal extracting circuit 107 for detecting and correcting. These picture element signals are inputted to a correcting signal generating circuit 108 and a correcting signal change-over discriminating circuit 109, and a correcting picture element signal is formed through a switching circuit 110. An original defective signal, which passes through a delay circuit 103, is switched to a correcting picture element signal at a switching circuit 104, and the picture signal corrected as an output is obtained. Since the position of the defective picture element is obvious beforehand, by storing it in a ROM106, the picture element signal for detecting and correcting can be easily extracted.

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